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IS 4680 (1968): Spatula, Wax, Dental, No. 2 [MHD 8: Dentistry]



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SPECIFICATION FOR
SPATULA, WAX, DENTAL, NO. 2

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MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
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SPECIFICATION FOR SPATULA, WAX, DENTAL, NO. 2

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Indian Standard

SPECIFICATION FOR SPATULA, WAX, DENTAL, NO. 2

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 20 June 1968, after the draft finalized by the Dental Instruments Sectional Committee had been approved by the Consumer Products Division Council.

0.2 This standard is one of a series of Indian Standards on dental pliers and prosthetic instruments and has been formulated at the instance of the Advisory Committee for Development of Surgical Instruments, Equipment and Appliances, Government of India. Other specifications published so far in the series are:

- IS : 3875-1966 Hot plate, wax levelling, dental
- IS : 3876-1967 Plaster knife, dental
- IS : 3877-1967 Wax knife, dental
- IS : 3878-1967 Plaster shears, dental
- IS : 3879-1967 Wax spatula, dental
- IS : 4313-1967 Pliers, plate, dental
- IS : 4314-1967 Pliers, cone socket, dental
- IS : 4315-1967 Pliers, bar bending, dental
- IS : 4316-1967 Pliers, snipe nose, dental
- IS : 4319-1967 Pliers, stretching and contouring, dental
- IS : 4679-1968 Spatula, plaster, dental, curved and straight

0.3 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS : 2-1960*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

*Rules for rounding off numerical values (*revised*).

1. SCOPE

1.1 This standard specifies the requirements for dental wax spatula No. 2.

2. MATERIAL

2.1 The spatula shall be made of stainless steel conforming to the Designation 30Cr13 of Schedule V of IS : 1570-1961* or carbon steel conforming to Designation T50 of Schedule VI of IS : 1570-1961*.

3. SHAPE AND DIMENSIONS

3.1 The spatula shall conform to shape and dimensions as given in Fig. 1.

3.2 The handle shall have cuts on all sides except space for marking. The cuts shall conform to 3.3.1 of IS : 3887-1966†.

4. WORKMANSHIP AND FINISH

4.1 The surface of the spatula shall be free from pits, cracks, seams or similar defects. In case the spatula is made of stainless steel, it shall be passivated and finished bright all over.

4.2 The carbon steel spatula shall be plated chromium over nickel and the plating shall conform to Grade B of IS : 1068-1958‡.

4.3 The working edge of the spatula shall be sharp.

5. HEAT TREATMENT

5.1 The spatula shall be uniformly hardened and tempered to 430 to 490 HV. The hardness shall be tested on the blades only.

6. TESTS

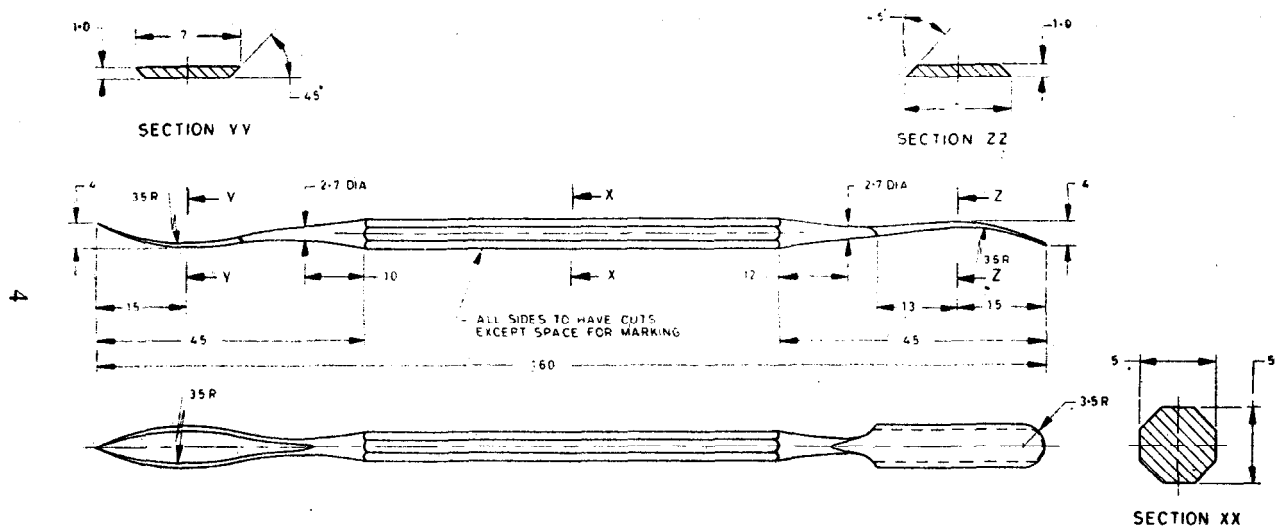
6.1 Test for Corrosion Resistance — The stainless steel spatula shall be tested for corrosion resistance as given in 8 of IS : 3887-1966†.

6.2 Performance Test — Both the working ends of the spatula shall be used for carving the dental waxes by applying the cutting edges. The spatula shall carve the wax evenly and along the entire cutting edges leaving a smooth-cut surface of the wax.

*Schedules for wrought steels for general engineering purposes.

†General requirements for cutting type dental instruments.

‡Specification for copper, nickel, and chromium electroplated coatings.



All dimensions in millimetres.

FIG. 1 SPATULA, WAX, DENTAL, No. 2

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